

## SHEET INDEX

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## CIRCUIT NOTES:

DESIG	PUSH APP	POTENTIAL	ONE PER
	1-1/3	-48V TALK	CKT

## CIRCUIT NOTES: (CONT)

105. SHIELD OF INPUT LEADS SHALL BE TERMINATED AS SHOWN IN CONNECTING CIRCUIT.

FEATURE OR OPTION		PROVIDE	
APP FIG.	QTY	QTY	QUANTITY
KS-19220, L1 AMPLIFIER	1	U	ONE PER CKT
KS-19220, L2 AMPLIFIER	1	V	ONE PER CKT
REMOTE VOLUME CONTROL	REQUIRED	Z	
	NOT REQUIRED	Y	
REDUCED GAIN	REQUIRED	W	
	NOT REQUIRED	X	

NETWORK VALUES		
NETWORK NO.	RESISTANCE IN OHMS	CAPACITANCE IN UF

RECORD OF APP FIGURES, WIRING & APPARATUS CHANGES						
CHANGED ON ISS	IF JOB DO NOT SPECIFY	THIS OPTION AS FURN	SEE NOTE	USE IN CIRCUIT		
				STD	ASN	MD

## SUPPORTING INFORMATION

CATEGORY	NO.

## OPTION INDEX

APP OR WIRE	LOCATION
Z	2E0, 2F0
Y	2E0
X	209
W	209
V	1, 2E2
U	2E1, 2E2

## INFORMATION NOTES:

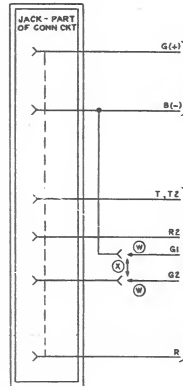
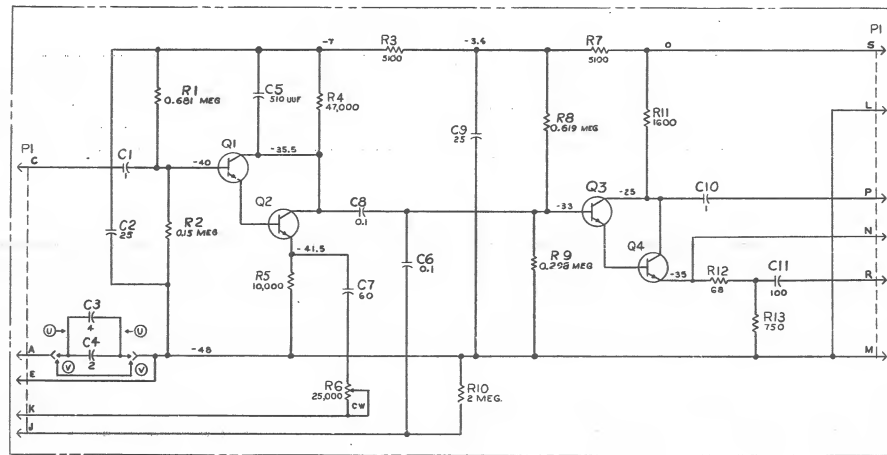
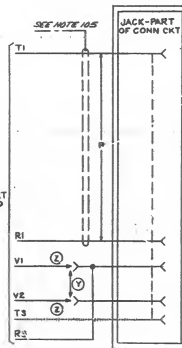
301. UNLESS OTHERWISE SPECIFIED:  
RESISTANCE VALUES ARE IN OHMS,  
CAPACITANCE VALUES ARE IN MICROFARADS,  
VALUES PRECEDED BY THE SYMBOL + (PLUS) OR - (MINUS)  
ARE IN VOLTS.
302. THE VOLTAGES SHOWN REPRESENT TYPICAL DC VALUES FOR A  
QUIESCENT CONDITION WITH AVERAGE TRANSISTORS AND NOM-  
INAL SUPPLY VOLTAGE. THE VOLTAGES ARE MEASURED FROM  
POINTS SHOWN TO TERMINAL 9 USING A VOLTMETER HAVING  
A RESISTANCE OF 10 MEGOHMS (MINIMUM).

NOTICE  
NOT FOR USE IN  
REPLACING SYSTEM  
EQUIPMENT  
WITHOUT  
WRITTEN AGREEMENT

ISSUE  
6D

SD-9724-01	2406	ASN ONLY
COMMON SYSTEMS KS-19220, L1 & L2 AMPLIFIER CIRCUIT		
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BELL TELEPHONE LABORATORIES	65	

# FS I AMPLIFIER CIRCUIT



SD-99724-01-2

## APP FIG. 1

PRINTED WIRING BOARD ASSEMBLY

DES16	LOC	CODE
C1	2C2	1UF, 5420
C2	2D2	25UF, KS-16390, L1
C3	2E2	4UF, 542G
C4	2E2	2UF, 542F
C9	2C3	510UF, KS-14066, L1
C6	2D4	OUUF, 535AB
C7	2D4	6OUF, KS-16390, L5
C8	2D4	OUUF, 535AB
C9	2C4	25UF, KS-16390, L1
C10	2D6	1UF, 542D
C11	2D7	100UF, KS-16390, L6

CONNECTOR  
KS-16345, L1

	+
●	V
●	a
●	e
●	M
●	X
●	L
●	N
●	T
●	H
●	E
●	C
●	G
●	B
●	A
	+

DESIG	P1
CONN	PLUG
OPTION	
	NO. LOC
	S 2BT
	R 2D7
	P 2D7
	M 2D7
	M 2E7
	L 2F1
	K 2F1
	J 2F1
	H -
	F -
	E 2E1
	P -
	C 2C1
	B -
	A 2E1

<u>DESIG</u>	<u>LOC</u>
R6	2E3

25,000±. TYPE 65,  
WITH A CON "C"  
TAPER, 1/8 INCH;  
BUSHING AND A SCREW-  
DRIVER SLOTTED SHAFT  
3/8 INCH F.N.S.  
A FLAT AT END OF  
SHAFT 1/32 X 1/32  
SHALL BE ON SIDE  
ADJACENT TO AND  
INDICATING WIPER  
CONTACT POSITION. IT  
SHALL BE LOCATED  
AT 90° TO SLOT IN  
SHAFT.  
CHICAGO TELEPHONE  
SUPPLY CO. OR  
APPROVED EQUIVALENT.

<u>OESIG</u>	<u>LOC</u>
R1	20
R2	20
R3	28
R4	20

R5	2E3	10,000	KS-19150, L1
R7	2B5	51000	
R8	2C5	6.25 MEG	221A
R9	205	.298 MEG	
R10	2E4	2 MEG	KS-19150, L1
R11	2C6	16000	KS-19151, L1
R12	2D6	680	
R13	2E7	7500	KS-19150, L1

DESIG	LOC	CODE
Q1	2C3	
Q2	2D3	29A
Q3	2D5	
Q4	2D6	

SD-99724-01-3

COMMON SYSTEMS KS-19220, L1 & L2 AMPLIFIER CIRCUIT	SD-99724 -01-3
BELL TELEPHONE LABORATORIES CORPORATION	<div> <div>2</div> <div>6S</div> </div> <small>PRINTED IN U.S.A.</small>